



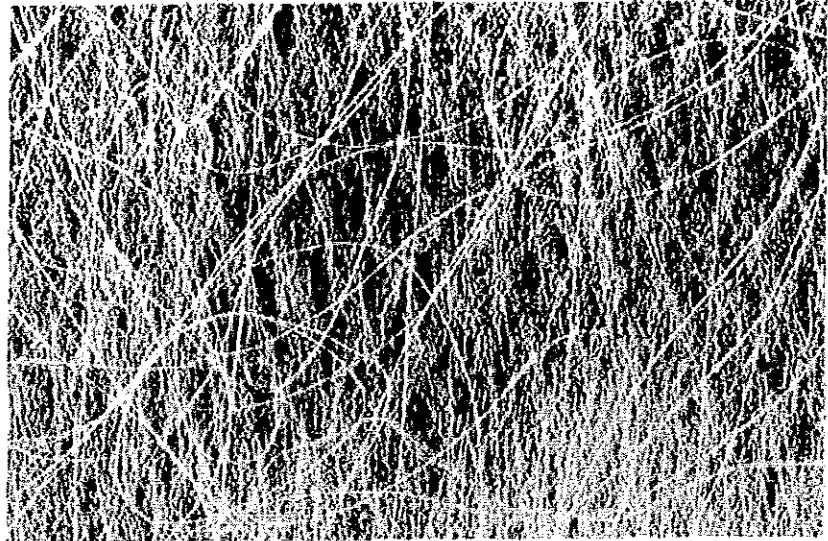
Filtration Media— FM Series

Product Description:

Fiberglas* FM Series Filtration Media are resilient blankets of fine glass fibers bonded with a thermo-setting resin. FM Series Media can be fabricated by filter manufacturers into high efficiency filters for use in temperatures up to 450 degrees F.

Features/Benefits:

1. **High Efficiency** . . . Fiber diameter and the size and number of interstices among these fibers determines filter efficiency. The smaller the fibers, and the smaller and more numerous the fiber interstices, the smaller the particles that will be trapped.
2. **Easy To Fabricate** . . . FM Series Filtration Media can be cut, slit, stapled, die-cut, sewn, folded, faced and compressed.
3. **Uniform** . . . FM Series Filtration Media is manufactured by a precisely controlled process to assure uniformity of performance and properties.
4. **Dimensionally Stable** . . . The product resists thickness loss under operating conditions.
5. **High Temperature Resistance** . . . FM Series Filtration Media will remove pollutants effectively in ambient temperatures up to 450 degrees F and is used exclusively for UL Class I filters. The media also is widely used in UL Class II filters.
6. **Bacteria** . . . The media will not sustain or promote bacteria or fungus.
7. **Non-corrosive** . . . The media's inorganic nature also means it will not accelerate corrosion on steel, copper or aluminum.
8. **Commercially Odorless** . . . Low organic binder content makes FM Series Filtration Media commercially odorless.



Uses:

1. **Commercial Buildings** . . . heating, ventilating and air conditioning systems for offices, apartments and hotels.
2. **Medical** . . . surgical face masks, respirators, first aid breathing equipment, pressurized systems for operating rooms and delivery rooms or in incubator filter systems.
3. **Pharmaceutical** . . . laboratory and factory installations where removal of airborne micro-organisms is required. This air purity is critical for the production control of antibiotics and essential to the fermentation process.
4. **Aerospace** . . . FM Series Filtration Media is used to maintain "clean rooms" where sub-micron dust particles could cause failure of critical electronic or electro-mechanical systems.
5. **Atomic Energy** . . . FM Series Filtration Media traps potentially dangerous radio-active dust particles in nuclear installations. Atomic reactors are cooled by air, which is cleaned by FM filtration media.
6. **Data Processing** . . . the high efficiency of FM series filtration media assures removal of fine dust particles which can cause short circuits, alter electrical performance characteristics or cause a complete system failure.
7. **Photography** . . . a dust-free environment is necessary for quality photo-processing and printing. FM Series Filtration Media are used in photographic laboratory air intake systems to achieve clean air quality.

Media Performance:

Product Number	Thickness	Air Flow Resistance at 35 FPM *
FM-003	1/4"	.49" w.g.
FM-004	1/4"	.22" w.g.
FM-004	5/16"	.55" w.g.
FM-004	1/2"	.80" w.g.
FM-010	1/4"	.08" w.g.
FM-011	1/4"	.06" w.g.
FM-011	1/2"	.095" w.g.

*Test method available from Owens-Corning upon request.

Media Properties:

Product Number	Thickness	Surface Density (lbs./sq. ft.)	Thickness (Inches)	Binder Content	Color
FM-003	1/4"	.010 ± 12%	.27 ± .05	12.5 ± 2.5	Yellow
FM-004	1/4"	.010 ± 12%	.25 ± .05	12.5 ± 2.5	Pink
FM-004	5/16"	.015 ± 12%	.30 ± .06	12.5 ± 2.5	Yellow
FM-004	1/2"	.025 ± 12%	.50 ± .10	17.5 ± 3.0	Pink
FM-010	1/4"	.010 ± 12%	.25 ± .05	12.0 ± 3.0	Green
FM-011	1/4"	.015 ± 12%	.25 ± .05	10.5 ± 2.5	Orange

Dimensions:

Standard Rolls

Widths: 24", 36", 72"

Lengths: 100', 200'

Made to Order Rolls

Widths: 6" through 72"

(1/8" increments)

Lengths: 1/4" and 5/16"—100'

through 400" (1" increments)

1/2"—100' through 200'

(1" increments)

Packaging:

The product is packaged on 2" I.D. tubes, vacuumed down in a polyethylene bag and overpacked in a Kraft restraining sleeve, wire tied on both ends for shipment.

For export packaging, the product is packaged on 2" I.D. tubes and wrapped in single, faced corrugated cardboard, ends not enclosed, and overwrapped with one layer of Fiberglas-reinforced nonasphaltic laminated water resistant adhesive and 3" wide Fiberglas-reinforced tape. Polypropylene foam sheeting may be used as a substitute for corrugated cardboard.

Note:

This data sheet is a summary of the Customer Acceptance Standard. For further details, consult the following document: Customer Acceptance Standard AR-6101. Data is subject to change without notice.



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